

REMARKS/ARGUMENTS

1.) Claim Rejections – 35 U.S.C. §103(a)

The Office Action rejects claims 26-39, 31-33, 35-39, and 46-47 as being unpatentable over newly-cited U.S. Pat. No. 6,907,270 to Blanz ("*Blanz*") in view of U.S. Pat. Publ. No. 2004/0044506 in the name of Minila ("*Minila*"). Applicants respectfully traverse this rejection. The proposed *Blanz-Minila* combination fails to disclose, teach, or suggest every element of the rejected claims.

For example, claim 26 recites:

26. A method in a receiver unit to receive communication signals from a transmitter unit via a multi-path channel, said method comprising the steps of:

estimating parameters of a channel filter function of said channel from said received communication signals from the transmitter unit;

sub-dividing the channel filter function into two or more parts, a function of which representing an approximation of the estimated full channel filter function;

representing the complex parameters of at least a selection of said parts of the channel filter function as actual parameter values, or as incremental values indicating the difference to a reference value; and,

composing a channel measurement message to be transmitted to the transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters. (emphasis added)

The proposed *Blanz-Minila* combination fails to disclose, teach, or suggest every element of claim 26. For example, the proposed *Blanz-Minila* combination fails to disclose "composing a channel measurement message to be transmitted to the transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters." As the Office Action concedes, *Blanz* fails to disclose this element of claim 26. See Office Action at p. 3. The Office Action attempts to overcome this deficiency by combining *Blanz* with *Minila*.

However, combining *Blanz* with *Minila*, fails to remedy this omission as *Minila* also fails to disclose this element. In attempting to address this element of claim 26, the Office Action cites to an element "508" of *Minila*'s Figure 5. Figure 5 does not include any element "508." Furthermore, Figure 5 fails to disclose any manner of "composing

a . . . message.” Figure 5 illustrates a channel simulator in which the effects of a channel on an input signal ($x(n)$) are simulated. See *Minila* at ¶ 0020, ¶ 0039. In particular, Figure 5 is a block diagram showing the elements of the channel simulator. *Id.* For example, elements “500,” “504,” and “506” each represent a “convolution calculation block,” while elements “502 and “510” represent a “delay” and an “adder,” respectively. *Minila* at ¶ 0039; Figure 5. Thus, none of the elements in Figure 5 represent a “message” or depict “composing a . . . message.” As a result, the cited portion of *Minila* fails to disclose “composing a channel measurement message to be transmitted to the transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters” (emphasis added) as recited by Claim 26.

Furthermore, in attempting to address the “a portion indicating the manner of representing said parameters” language of this element,” the Office Action cites to ¶ 0034 of *Minila*. However, ¶ 0034 describes a second embodiment of the channel simulator (see *Minila* at ¶ 0016, ¶ 0034) in which sections of an input signal ($x(n)$) are convolutionally transformed with previous sections of the input signal and multiplied by sections of an impulse response function ($N_1, N_2, . . .$). Moreover, neither the sections of the input signal nor the sections of the impulse response function “indicat[e] [a] manner of representing said parameters.” Thus, the cited portion of *Minila* fails to disclose “composing a channel measurement message to be transmitted to the transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters” (emphasis added) as recited by Claim 26 for this reason as well.

Additionally, in attempting to address this element, the Office Action completely ignores the “to be transmitted to the transmitter unit” language of the element. See Office Action at p. 3. Applicants respectfully note that “[a]ll words in a claim must be considered in judging the patentability of that claim against the prior art.” M.P.E.P. § 2143.03 (citing *In re Wilson*, 424 F.2d 1382, 1385 (C.C.P.A. 1970)). The Office Action fails to do so here. Moreover, the cited portion of *Minila* fails to disclose any information to be communicated to a transmitter unit. Consequently, the cited portion of *Minila* fails to disclose “composing a channel measurement message to be transmitted to the

transmitter unit of a portion including said parameter representations and a portion indicating the manner of representing said parameters” (emphasis added) as recited by Claim 26 for this reason as well.

As a result, the proposed *Blanz-Minila* combination fails to disclose, teach, or suggest every element of claim 26. Although of differing scope from claim 26, claim 46 includes elements that are not disclosed, taught, or suggested by the cited references for at least analogous reason to those discussed with respect to claim 26. Claims 26 and 46 are thus allowable for at least these reasons. Applicants respectfully request reconsideration and allowance of claims 26 and 46, and their respective dependent claims.

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CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for claims 26-39, 46 and 47.

The Applicants request a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,

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